

Supermicro SuperServer SYS-F619P2-RTN 4U FatTwin^4 DP 8x6SFF RED PSU

Part number: SYS-F619P2-RTN



Chassis Form Factor	Rack 4U
# of systems (nodes)	8
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	165 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's (per node)	12
Max Memory Size (per node)	1536 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays (per node)	6
Backplanes	SAS/SATA
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	12
Storage Controllers	8 x AHCI iSATA 6Gb/s 2 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	448 x 177 x 737mm

Product SKUs		Chassis	
SYS-F619P2-RTN • SuperServer F619P2-RTN (Black)		Form Factor	• 4U Rackmount
Motherboard		Model	• CSE-F418BC2-R2K20BP
Super X11DPFR-SN		Dimensions and Weight	
Processor/Cache		Width	• 17.63" (448mm)
CPU	• Dual Socket P (LGA 3647) • Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s • Support CPU TDP 70-165W with IVR	Height	• 6.96" (177mm)
Cores	• Up to 28 Cores with Intel® HT Technology	Depth	• 29" (737mm)
System Memory		Package	• 28.3" (W) x 15.0" (H) x 42.4" (D) • Net Weight: 150 lbs (68.04 kg) • Gross Weight: 200 lbs (90.71 kg)
Memory Capacity	• 12 DIMM slots • Up to 1.5TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM, DDR4 up to 2666MHz	Weight	
Memory Type	• 2666/2400/2133MHz ECC DDR4 SDRAM	Available Colors	• Black
On-Board Devices		Front Panel	
Chipset	• Intel® C621 chipset	Buttons	• Power On/Off button • UID button • Power status LED • Hard drive activity LED • Network activity LEDs • Information LED (UID, Fan failure, Overheat)
SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10	LEDs	
Network Controllers	• Flexible networking via SIOM • Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2500 BMC	Expansion Slots (per node)	
IPMI		PCI-Express	• 1 PCI-E 3.0 x16 (Low-profile) • 1 PCI-E 3.0 x16 (SIOM)
Graphics		Drive Bays (per node)	
Input / Output (per node)		Hot-swap	• 6 Hot-swap 2.5" SATA3 or 2 Hot-swap 2.5" SATA3 + 4 NVMe U.2
SATA	• 14 SATA3 (6Gbps) ports	M.2	• M.2 Support
NVMe	• 4 NVMe U.2 option	Backplane	
LAN	• SIOM flexible Network card • 1 RJ45 Dedicated IPMI LAN port	1 SAS/SATA backplane	
USB	• 2 USB 3.0 ports (rear)	System Cooling (per node)	
VGA	• 1 VGA port	Fans	• 3x 4cm 20k RPM middle fans
System BIOS		Power Supply	
BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS	2200W Redundant Power Supplies with PMBus	
Management		Total Output	• 1200W with Input 100-127Vac • 1800W with Input 200-220Vac • 1980W with Input 220-230Vac
Software	• Intel® Node Manager • IPMI 2.0 • KVM with dedicated LAN • SuperDoctor® 5 • Watch Dog	Power and Input	• 2090W with Input 230-240Vac • 2200W with Input 220-240Vac (for UL/cUL use only) • 2090W with Input 230-240Vdc (for CCC only)
Power Configurations	• ACPI Power Management	AC Input	
PC Health Monitoring		Frequency	• 50-60Hz
CPU	• Monitors for CPU Cores, Chipset Voltages, Memory. • 4+1 Phase-switching voltage regulator • Fans with tachometer monitoring	Dimension (W x H x L)	• 76 x 40 x 336 mm
FAN	• Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors	+12V	• Max: 100A / Min: 0A (100-127Vac) • Max: 150A / Min: 0A (200-220Vac) • Max: 165A / Min: 0A (220-230Vac) • Max: 174.17A / Min: 0A (230-240Vac) • Max: 183.3A / Min: 0A (220-240Vac)
Temperature	• Monitoring for CPU and chassis environment • Thermal Control for fan connectors	5VSB	• Max: 1A / Min: 0A
		Output Type	• Backplanes (gold finger)
			
		Certification	UL/cUL/CB/BSMI/CE/CCC Titanium Level [Cert. in progress]
		Operating Environment	
		RoHS	• RoHS Compliant • Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) • Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
		Environmental Spec.	• Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)

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